Figure 1A

1	CGTCCGGCGGGCGCAGGGCTGAGCGAGCGTCCGGGCTCCGGGGCTCCGGGGAAGGCGGT	60
61	TGCAGCTCCTGAGTGCAGCGGGCTTCCTGCCACTGTCCCGGCCCGGCCACCTCTCTGTC	120
121	ATGGCTCTGGCGGACAGCACACGTGGATTACCCAACGGGGCGGCGGCGGGGGGGG	180
1	M A L A D S T R G L P N G G G G G G S	20
181	GGCTCCTCGTCGTCCTCCGCGGAGCCACCGCTCTTCCCCGACATCGTGGAGCTGAACGTG	240
21	G S S S S A E P P L F P <u>D I V E L N V</u>	40
241	GGGGGCCAGGTGTACGTGACCCGGCGCTGCACGGTGGTGTCGGTGCCCGACTCGCTGCTC	300
41	G G Q V Y V T R R C T V V S V P D S L L	60
301	TGGCGCATGTTCACGCAGCAGCAGCAGCAGGAGCTGGCCCGGGACAGCAAAGGCCGCTTC	360
61	W R M F T O O O P O E L A R D S K G R F	80
361	TTTCTGGACCGGGACGGCTTCCTCTTCCGCTACATCCTGGATTACCTGCGGGACTTGCAG	420
81	F L D R D G F L F R Y I L D Y L R D L Q	100
421	CTCGTGCTGCCCGACTACTTCCCCGAGCGCAGCCGGCTGCAGCGCGAGGCCGAGTACTTC	480
101	L V L P D Y F P E R S R L O R E A E Y F	120
481	GAGCTGCCAGAGCTCGTGCCCCCCCCCCCCCCCCAGCAGCCCGGGCCCCGGGCCCCC	540
121	E L P E L V R R L G A P O O P G P G P P	140
541	CCCTCGCGGCGCGGGGTGCACAAGGAGGGCTCGCTGGGTGACGAGCTGCTGCCGCTTGGC	600
141	P S R R G V H K E G S L G D E L L P L G	160
601	TACTCGGAGCCCGAACAGCAGGAGGGCGCCTCTGCCGGGGCGCCGTCGCCCACGCTGGAG	660
161	Y S E P E Q Q E G A S A G A P S P T L E	180
661	CTGGCTAGCCGCAGTCCGTCCGGGGGGGGGGGGGGGCCCGCTGCTCACGCCGTCCCAGTCG	720
181	L A S R S P S G G A A G P L L T P S Q S	200
721		780
201	LDGSRRSGYITIGYRGSYTI	220
781	GGGCGGGACGCCAGGCGACGCCAAGTTCCGGCGAGTGGCGCGCATCACCGTTTGCGGA	840
221	G R D A Q A D A K F R R V A R I T V C G	240
841	AAGACGTCGCTGGCCAAGGAGGTGTTTGGGGACACCCTGAACGAAAGCCGGGACCCCGAC	900
241	KTSLAKEVFGDTLNESRDPD	260

Figure 1B

901 261	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	960 280
961 281	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1020 300
1021 301	$\frac{\text{GCCTTTGCCAGCAGCACCGACCAGAGGGGGACAAGATCTGGACCAGCTACACCGAGTAC}}{\underline{A} \underline{F} \underline{A} \text{S} \text{S} \text{T} D Q \text{S} \underline{E} D K I W T S Y T \underline{E} Y}$	1080 320
1081 321	GTCTTCTGCAGGGAGTGAGCTCCCCAGACCCCCTCGCCACTCCAGCGCCCAGTCCTTCTC V F C R E	1140 325
1141	$\tt CTGCCCGAGAGATGATTACAGAGCCTCTTGTCCCACCTTTGTCCCCTGGCTGCTGCCCTC$	1200
1201	${\tt ccattctcccctccagtagtagctggtgagacctgtccgcccaccttccctccactac}$	1260
1261	$.\\$ AGAACCTGCAGCCGCAAATCCTCTGGGCTGCTTCGTCTTTTTGGACCTCCTGAACCGAG	1320
1321	AGAACCCAGAGGAACCCCCACCCCACCCCACCTACCACTCCATGCTTTCTTCTACTCCCT	1380
1381	GCCTCAAACCACCCCTCCCCCAGATGGTACTTCAGTTTTGGATCTATTTGGGGGAGTGTGGC	1440
1441	CACAGACCGGGGGATGATTGAATTGTTCAGAACCTGATTGGACCGTGTCCAATGTGCGGA	1500
1501	AGATTTCCTTGAAATCTTCTCAAGCTCTTATGACTCACTGGGGGTTTAAGAGATCAGGAT	1560
1561	$.\\$ TGGTTCCACTGTCTGGGGTTAGTGTTTTACAAGGTCATTACACAGTCTTTTTGACCTCTT	1620
1621	$. \\ TTGAAGGTAGAGTTTTAGAAGGCTGGATGGAAGATTCTGAGCCTGGAATTAGGACCCCAT$	1680
1681	GGAGGCAGTCCTCAAACCACCCCTCCCCAGATGGTACTTCAGTTTGGATCTATTGGGGG	1740
1741	$. \\$ AGTGTGGCCACAGACCGGGGGATGATTGAATTGTTCAGAACCTGATTGGACCGTGTCCAA	1800
1801	$.\\$ TGTGCGGAAGATTTCCTTGAAATCTTCTCAAGCTCTTATGACTCACTGGGGGTTTAAGAG	1860
1861	${\tt ATCAGGATTGGTTCCACTGTCTGGGGTTAGTGTTTTACAAGGTCATTACACAGTCTTTTT}$	1920
1921	$\tt GACCTCTTTTGAAGGTAGAGTTTTAGAAGGCTGGATGGAAGATTCTGAGCCTGGAATTAG$	1980

Figure 1C

1981 GACCCCATGGAGGCAGTTCAGTAACTAAACTAATAAAGTTTTGAAAAGTTACACGTAAAA 2040

2041 AAAAAAAAAAA 2052

Figure 2A

		1 5	0
K+betaM6	(1)		8
KCNMB1	(1)	mvkklvmaqkrgetralclgvtmvvcavijtyvilivttv	
K+Hnov27	(1)	MSRPLITRSPASPLXNQGIPTPMQLTKSNAPWHIDVGGHMYTSSL	A
K+Hnov28	(1)	MDNGDWGYMMTDPVTINVGCHLYTTSL	ď
KIAA1317	(1)	OOOKKGTMALSGNCSRYYPREOGSAVPNSFPEVWEINVCCOVWFTRH	
CG10465	(1)	MSESMSGDHKILLKGHSSQYLKINVGCHLYYTTI	ď
CG10830	(1)	MPET DEMNYCC VS YOUR L	Αİ
K+channel_tetra	(1)	MTSVEDVITENVGCTMYTTT	S
		51 10	0
K+betaM6	(51)	TVVSVPDSLLWRMFTQQQPQELARDSKCRFFLDRDGFLFRYILDY	
KCNMB1	(40)	PHYOKSVWTQESKCHLIETNIRDQEELKGKKVPQYPCLWVNVSAAGRWA	
K+Hnov27	(47)		
K+Hnov28	(29)	TITRYPDSMLGAMEGSDFPPARDPOGNYFIDRDGPLERYVLNE	
KIAA1317	(49)	TIISIBHSDUWKMESPKRDTANDLAKDSKERFEIDROCFDERYIIDY	2
CG10465	(36)	TITKNNDTMISAMESERMEVLTDSEEWILHDECENHEGITINY	
CG10830	(20)	TILODKSTOLAELEGEGRDSLEKDSKGRYELDRDCVLERYILDE	
K+channel_tetra	(23)	TISKETOTELANIAS ESLSEDEQANOVILPO TI EVORDEPLEAVOLHE	1
		101 15	
K+betaM6		RELCT VLPDYEPERSRIOR DAEMFELPELVRRIGAPOOPGEGPPPSRRG	
KCNMB1	(90)	LYHTEDTREONOOCSYEPGSVDNYOTARADVEKVRAKFOEOO	-
K+Hnov27	(92)		_
K+Hnov28	(73)		
KIAA1317	(97)		
CG10465 CG10830	(80)		
	(65)		
K+channel_tetra	(73)	MIDWEST STATE OF THE WINDS TO STATE OF THE S	-
		151 20	0
K+betaM6	(147)	151 20 HEEGSLGDELLELGYSEPEGGEASAGAPSPTLELASESPSGGAAGELL	
K+betaM6 KCNMB1	(147)		
KCNMB1	(132)		
	(132) (134)		T -
KCNMB1 K+Hnov27	(132)	HKEGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAAGPLL	T - -
KCNMB1 K+Hnov27 K+Hnov28	(132) (134) (114)	HKEGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAAGPLL	T - - P
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317	(132) (134) (114) (139)	HKEGSLGDELLPLGYSEPEQQEGASAGAPS PTLELASRSPSGGAAGPLL	T - - P
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465	(132) (134) (114) (139) (130)	HKEGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAAGPLL	T - P S
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830	(132) (134) (114) (139) (130) (106)	HKEGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAGPLI	T - P S
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830 K+channel_tetra	(132) (134) (114) (139) (130) (106) (114)	HKEGSLGDELLPLGYSEPEQQEGASAGAPS PTLELASRSPSGGAGPLL	T P S - G
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830 K+channel_tetra K+betaM6	(132) (134) (114) (139) (130) (106) (114)	HKEGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAAGPLL	T - P S - G
KCNMB1 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCNMB1	(132) (134) (114) (139) (130) (106) (114) (197) (132)	HKEGSLGDELLPLGYSEPEQQEGASAGAPS PTLELASRSPSGGAAGPLL	T - PS - G OKL
KCMMB1 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27	(132) (134) (114) (139) (130) (106) (114) (197) (132) (134)	HKBGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAAGPLL	T - PS - G OKLG
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov27	(132) (134) (114) (139) (130) (106) (114) (197) (132) (134) (114)	HKEGSLGDELLPLGYSEPEQQEGASAGAPS PTLELASRSPSGGAAGPLL	T - PS - G OKLGL
KCMMB1 K+Hnov27 K+Hnov28 KIAAI317 CG10465 CG10465 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov28 KIAAI317	(132) (134) (114) (139) (130) (106) (114) (197) (132) (134) (114) (160)	HKRGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAAGPLL	T - PS - G OKLGLK
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov28 KTAA1317 CG10465	(132) (134) (114) (1130) (106) (114) (197) (132) (134) (114) (160) (167)	HKEGSLGDELLPLGYSEPEQQEGASAGAPS PTLELASRSPSGGAAGPLL	T - PS - G OKLGLKC
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov27 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov27 K+Hnov26 KTAA1317 CG10465 CG10830	(132) (134) (114) (139) (130) (106) (114) (197) (132) (134) (114) (160) (167)	HKRGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAAGPLL	T - PS - G OKLGLKC
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov28 KTAA1317 CG10465	(132) (134) (114) (1130) (106) (114) (197) (132) (134) (114) (160) (167)	HKEGSLGDELLPLGYSEPEQQEGASAGAPS PTLELASRSPSGGAAGPLL	T - PS - G OKLGLKC
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov27 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov27 K+Hnov26 KTAA1317 CG10465 CG10830	(132) (134) (114) (139) (130) (106) (114) (197) (132) (134) (114) (160) (167)	HKRGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAAGPLL DEFCHSDFEDASQGSDTRIC LITSQKEEQLLLSVSLKPAVILVVQRQNN	T - PS - G OKLGLKCR -
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10465 CG10830 K+channel_tetra	(132) (134) (114) (139) (130) (106) (114) (197) (132) (134) (114) (160) (167) (107) (121)	HKEGSLGDELLPLGYSEPEQQEGASAGAPS PTLELASRSPSGGAAGPLL DEFCHSDFEDASQ	T - PS-G OKLGLKCR O
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov27 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10830 K+channel_tetra	(132) (134) (114) (139) (130) (106) (114) (197) (132) (134) (160) (167) (107) (121)	HKRGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAAGPLL	T - PS-G OKLGLKCR O
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov27 K+A31317 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10465 KTAA1317 CG10465 K+channel_tetra K+betaM6 KCMMB1	(132) (134) (114) (139) (130) (106) (114) (132) (134) (114) (160) (167) (107) (121) (247) (174)	HKEGSLGDELLPLGYSEPEQQEGASAGAPS PTLELASRSPSGGAAGPLL DEFCHSDFEDASQ	T - PS - G OKLGLKCR - OS -
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov27 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10830 K+channel_tetra	(132) (134) (114) (139) (130) (106) (114) (132) (134) (134) (167) (107) (121) (247) (174) (173)	HKRGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAAGPLL	TPS-G OKLGLKCR- OS-C
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10465 CG10465 K+channel_tetra	(132) (134) (114) (139) (130) (106) (114) (197) (132) (134) (114) (160) (167) (107) (121) (247) (174) (173) (154)	HKEGSLGDELLPLGYSEPEQQEGASAGAPS PTLELASRSPSGGAAGPLL	TPS-G OKLGLKOR- OS-OF
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov27 K+Hnov27 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov27 K+Hnov27 K+Hnov27 K+Hnov28 KTAA1317	(132) (134) (114) (139) (130) (106) (114) (132) (134) (160) (167) (121) (247) (173) (173) (154) (210)	HKRGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAAGPLL	TPS-G OKLGLKOR- OS-CFN
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10465 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov28 KTAA1317 CG10465 K-CHANNEL	(132) (134) (114) (139) (130) (106) (114) (132) (134) (114) (160) (167) (121) (247) (173) (174) (173) (154) (210) (217)	HKEGSLGDELLPLGYSEPEQQEGASAGAPS PTLELASRSPSGGAAGPLL	т рз - с окъсъкск - оз - съик
KCMMB1 K+Hnov27 K+Hnov27 K+Hnov27 K+Hnov27 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov28 KTAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCMMB1 K+Hnov27 K+Hnov27 K+Hnov27 K+Hnov27 K+Hnov28 KTAA1317	(132) (134) (114) (139) (130) (106) (114) (132) (134) (160) (167) (121) (247) (173) (173) (154) (210)	HKRGSLGDELLPLGYSEPEQQEGASAGAPSPTLELASRSPSGGAAGPLL	т рз - с окъсъкск - оз - съик

Figure 2B

K+betaM6	(296)	350 STGTCAFASSTDQSEDKIWTSYTEYVFCR厦
KCNMB1	(192)	ororom noor beopping and the con-
K+Hnov27	(222)	GGGVDSSOFSEYVLRRELRRTPRVPSVIRIKOEPL
K+Hnov28	(204)	TIRNTRVHHMSERANENTVEHNWTECRLARKTDD
KIAA1317	(259)	SSVTASFINOYTODKIWSSYTEYVFYREPSRWSPSHCDCCCKNGK
CG10465		VGSASGTSINQYTSDEEEERTGLARLRSNKRNNPS
CG10830	(196)	GSGTAGSAAEPKPGVDTEENRWNHYNEFVFIRD
K+channel tetra	(141)	
it onamer_cccra	(141)	
		351 400
K+betaM6	(326)	
KCNMB1	(192)	
K+Hnov27	(257)	
K+Hnov28	(238)	
KIAA1317	(304)	GDKEGESGTSCNDLSTSSCDSQSEASSPQETVICGPVTRQTNIQTLDRPI
CG10465	(302)	
CG10830	(229)	
K+channel_tetra	(141)	
		401 450
K+betaM6	(326)	
KCNMB1	(192)	
KCNMB1 K+Hnov27	(192) (257)	
KCNMB1 K+Hnov27 K+Hnov28	(192) (257) (238)	
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317	(192) (257) (238) (354)	KKGPVQLIQQSEMRRKSDLLRTLTSGSRESNMSSKKKAVKEKLSIEEELB
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465	(192) (257) (238) (354) (302)	KKGPVQLIQQSEMRRKSDLLRTLTSGSRESNMSSKKKAVKEKLSIEEELE
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830	(192) (257) (238) (354) (302) (229)	KKGPVQLIQQSEMRRKSDLLRTLTSGSRESNMSSKKKAVKEKLSIEEELE
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465	(192) (257) (238) (354) (302)	KKGPVQLIQQSEMRRKSDLLRTLTSGSRESNMSSKKKAVKEKLSIEEELE
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830	(192) (257) (238) (354) (302) (229)	KKGPVQLIQQSEMRRKSDLLRTLTSGSRESNMSSKKKAVKEKLSIEEELE
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830 K+channel_tetra	(192) (257) (238) (354) (302) (229) (141)	KKGPVQLIQQSEMRRKSDLLRTLTSGSRESNMSSKKKAVKEKLSIEEELE
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830 K+channel_tetra K+betaM6	(192) (257) (238) (354) (302) (229) (141)	KKGPVQLIQQSEMRRKSDLLRTLTSGSRESNMSSKKKAVKEKLSIEEELE
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCNMB1	(192) (257) (238) (354) (302) (229) (141) (326) (192)	KKGPVQLIQQSEMRRKSDLLRTLTSGSRESNMSSKKKAVKEKLSIEEELE
KCNMB1 K+Hnov27 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCNMB1 K+Hnov27	(192) (257) (238) (354) (302) (229) (141) (326) (192) (257)	KKGPVQLIQQSEMRRKSDLLRTLTSGSRESNMSSKKKAVKEKLSIEEELE
KCNMB1 K+Hnov27 K+Hnov28 KIA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCNMB1 K+Hnov27 K+Hnov27	(192) (257) (238) (354) (302) (229) (141) (326) (192) (257) (238)	KKGPVQLIQQSEMRRKSDLLRTL/TSGSRESNMSSKKKAVKEKLSIEEELE
KCNMB1 K+Hnov27 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCNMB1 K+Hnov27 K+Hnov28 KIAA1317	(192) (257) (238) (354) (302) (229) (141) (326) (192) (257) (238) (404)	KKGPVQLIQQSEMRRKSDLLRTLTSGSRESNMSSKKKAVKEKLSIEEELE 451 482
KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCNMB1 K+Hnov27 K+Hnov28 KIAA1317 CG10465	(192) (257) (238) (354) (302) (229) (141) (326) (192) (257) (238) (404) (302)	KKGPVQLIQQSEMRRKSDLLRTLTSGSRESNMSSKKKAVKEKLSIEEELE 451 482 KCIQDFLKIKIPDRFPERKHPWQSELLRKYHL
KCNMB1 K+Hnov27 K+Hnov27 K+Hnov28 KIAA1317 CG10465 CG10830 K+channel_tetra K+betaM6 KCNMB1 K+Hnov27 K+Hnov28 KIAA1317	(192) (257) (238) (354) (302) (229) (141) (326) (192) (257) (238) (404)	KKGPVQLIQQSEMRRKSDLLRTLTSGSRESNMSSKKKAVKEKLSIEEELE 451 482

Figure 3

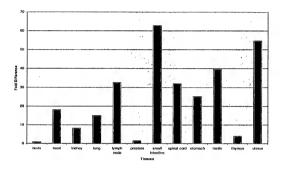


Figure 4.

Protein	Genbank / SWISS- PROT Accession No.	<u>Identities</u>	<u>Similarities</u>
human Maxi-K potassium channel beta subunit, KCNMB1 protein	gil4758625	0.0%	37.5%
human potassium channel K+Hnov27 protein	gilY34125	30.21%	39.15%
human potassium channel K+Hnov28 protein	gilY34129	30.04%	38.63%
Caenorhabditis elegans K+ channel tetramerisation domain containing protein	gil3880445	31.11%	39.26%
Drosophila CG10465 protein	gil17946205	23.9%	33.0%
Drosophila CG10830 protein	gil7300672	50.89%	62.5%
human KIAA1317 protein	gil7243015	60.42%	69.97%



